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PLASTIC-PAPER-PLASTIC LAMINATE SHEETING

ABSTRACT

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The invention relates to a flexible plastic-paper-plastic laminate sheeting capable of being converted by conventional equipment into envelopes, bags and other dilatable container products normally made of paper which initially are in a flat state. The laminate sheeting includes a printable paper sheet having inside and outside surfaces; a first reinforcing film of synthetic oriented plastic material having an inner surface treated to increase the surface energy of the film and its affinity to adhesives and being cold-laminated by a water-based adhesive to the inside surface of the paper sheet; and a second reinforcing film of synthetic oriented plastic material having an inner surface treated to increase the surface energy of the film and its affinity to adhesives and being cold-laminated by a water-based adhesive to the outside surface of the paper sheet. If desired, an additional paper facing sheet can be provided on one or both outer surfaces of the plastic films. Dilatable container products made from these laminate sheetings have moisture resistance and enhanced tear and burst strength.